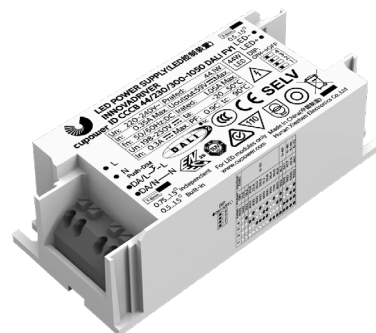


## ID CCCB 44/230/300-1050 DALI FV1

|  |
|--|
| Stand alone type Dimmable adjustable output power LED driver |
| Support DALI-2, Push Dimming                                 |
| Flicker free LED driver                                      |
| Output current 300-1050mA by DIP Switch adjust               |
| Max. output power 44.1W                                      |
| Constant lumen output(CLO)                                   |
| For luminaries of protection class I,II                      |
| 5-year warranty  |



### ELECTRICAL SPECIFICATIONS

|                                   |   |     |                             |     |     |
|-----------------------------------|---|-----|-----------------------------|-----|-----|
| Rated input voltage range:        | 220 ... 240 Vac   |     |                             |     |     |
| Max. input voltage range:         | 198 ... 264 Vac   |     |                             |     |     |
| DC voltage range :                | 198 ... 250 Vdc   |     |                             |     |     |
| Max. DC voltage range :           | 176... 276Vdc   |     |                             |     |     |
| Rated frequency range:            | 0 / 50 / 60 Hz  |     |                             |     |     |
| Max. input current:               | 0.35 A @ 230 Vac  |     |                             |     |     |
| Total harmonic distortion (max.): | ≤ 15 % at rated input voltage range @ full load   |     |                             |     |     |
| MCB Loading Quantity:             | Inrush current Ipeak: 3.26A   |     | Inrush current Twidth: 34us |     |     |
|                                   | MCB Type:   | B10 | C10                         | B16 | C16 |
|                                   | Qty (PCS)   | 38  | 38                          | 60  | 60  |
| Output current tolerance:         | ± 5 % at rated input voltage range @ rated load   |     |                             |     |     |
| Default current:                  | 800mA   |     |                             |     |     |
| No load output voltage:           | ≤ 59 Vdc  |     |                             |     |     |
| Standby power consumption:        | ≤ 0.5W  |     |                             |     |     |
| Ripple output current:            | Peak-to-average value(≤ 3KHz) ≤ 4%  |     |                             |     |     |
| Output PST                        | ≤1  |     |                             |     |     |
| Output SVM                        | ≤0.4  |     |                             |     |     |
| Dimming:                          | Dimming mode:   |     | DALI-2, Push Dimming        |     |     |
|                                   | Dimming method:   |     | amplitude dimming           |     |     |
|                                   | Dimming current range:  |     | 1%~100%                     |     |     |
| Withstand voltage:                | I/P-O/P: 3.75 kVac, < 5 mA 60 sec   |     |                             |     |     |
| Mains surge immunity:             | L-N 1 kV  |     |                             |     |     |
| Connection terminal type:         | 45° push in terminal  |     |                             |     |     |
| Wire cross section:               | Primary side: Built-in 0.5 - 1.5 mm <sup>2</sup> ,Independent 0.75 - 1.5 mm <sup>2</sup><br>secondary side: 0.5 - 1.5 mm <sup>2</sup> |     |                             |     |     |
| Wire stripping length:            | 7 - 8 mm  |     |                             |     |     |
| Protection rating:                | IP 20   |     |                             |     |     |

|             |   |
|-------------|---|
| Protection: | Over voltage protection: The output voltage is less than or equal to 59V  |
|             | Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed. |

#### ELECTRICAL SPECIFICATIONS

|                            |  |
|----------------------------|--|
| Supplementary instruction: | The luminaire manufacturer is responsible for measuring and verifying EMI compliance of the complete luminaire as the level of radio interference will vary depending on the luminaire construction. Especially primary and secondary cable lengths and their routing may have a significant effect on radio interference. |
|----------------------------|--|

#### ENVIRONMENTAL SPECIFICATIONS

|                         |  |
|-------------------------|--|
| Operating temperature:  | -20 to 50° C   |
| Storage temperature:    | -40 to 80° C   |
| Working humidity:       | 10 % to 90 %   |
| Store humidity:         | 5 % to 90 %  |
| Driver lifetime:        | at Tc ≤ 90° C: 50,000 hrs; at Tc ≤ 80° C: 100,000 hrs; @230Vac |
| Maximum Tc temperature: | 90° C  |

#### PRODUCT SPECIFICATIONS

| Model Number<br>(Full Model)           | Output<br>Current | Input<br>Voltage         | Output<br>Voltage | Efficiency<br>@full load | Current<br>Accuracy | Power<br>Factor | Dimension L*W*H<br>(mm) |
|--|-------------------|--------------------------|-------------------|--------------------------|---------------------|-----------------|-------------------------|
| ID CCCB<br>44/230/300-1050<br>DALI FV1 | 300-800mA         | 220-240Vac<br>198-250Vdc | 6-52Vdc           | 87%                      | ±5%                 | ≥0.9            | L97*W43*H30             |
|  | 850-900mA         |                          | 6-49Vdc           | 88%                      |                     |                 |                         |
|  | 950mA             |                          | 6-46Vdc           | 88%                      |                     |                 |                         |
|  | 1000mA            |                          | 6-44Vdc           | 87%                      |                     |                 |                         |
|  | 1050mA            |                          | 6-42Vdc           | 87%                      |                     |                 |                         |

#### SAFETY AND EMC COMPLIANCE

|             |                           |     |                 |     |                            |
|-------------|---------------------------|-----|-----------------|-----|----------------------------|
| ENEC+<br>CE | EN61347-2-13:2014/A1:2017 | CCC | GB17625.1-2012  | SAA | AS/NZS IEC 61347.2.13.2013 |
|             | EN 61347-1:2015           |     | GB/T17743-2017  |     | AS/NZS 61347.1:2016        |
|             | EN 62384:2006/A1:2009     |     | GB/19510.1-2009 |     |                            |
|             | EN 55015:2013/A1:2015     |     | GB19510.14-2009 |     |                            |
|             | EN61000-3-2:2014          |     |                 |     |                            |
|             | EN61000-3-3:2013          |     |                 |     |                            |
|             | EN61547:2009              |     |                 |     |                            |



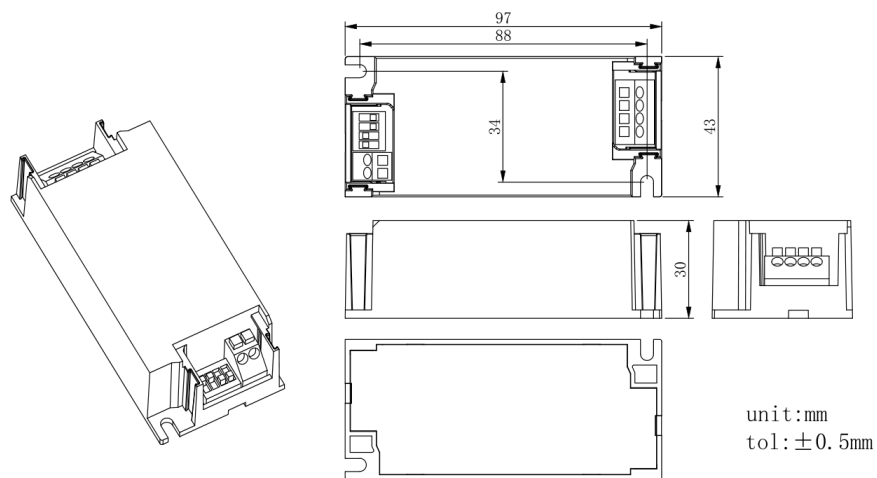
| PHYSICAL DIMENSIONS |       |
|---------------------|-------|
| Length (L):         | 97 mm |
| Width (W):          | 43 mm |
| Height (H):         | 30 mm |

| PACKAGING      |                    |
|----------------|--------------------|
| 0.17 kg / unit | 45 pcs / carton    |
| Carton size:   | 303 x 225 x 120 mm |
| Carton weight: | 8 kg               |

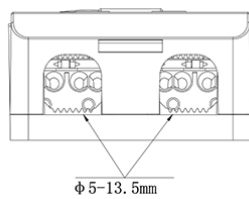
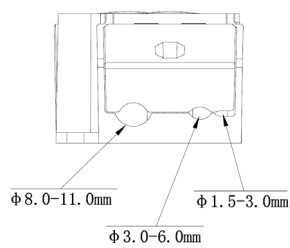
| ADJUSTABLE OUTPUT CURRENT WITH DIP-SWITCH |       |        |    |    |    |    |
|---|-------|--------|----|----|----|----|
| Vout                                      | Pout  | Iout   | 1  | 2  | 3  | 4  |
| 6-52Vdc                                   | 15.6W | 300mA  | -  | -  | -  | -  |
| 6-52Vdc                                   | 18.2W | 350mA  | -  | -  | -  | ON |
| 6-52Vdc                                   | 20.8W | 400mA  | -  | -  | ON | -  |
| 6-52Vdc                                   | 23.4W | 450mA  | -  | -  | ON | ON |
| 6-52Vdc                                   | 26W   | 500mA  | -  | ON | -  | -  |
| 6-52Vdc                                   | 28.6W | 550mA  | -  | ON | -  | ON |
| 6-52Vdc                                   | 31.2W | 600mA  | -  | ON | ON | -  |
| 6-52Vdc                                   | 33.8W | 650mA  | -  | ON | ON | ON |
| 6-52Vdc                                   | 36.4W | 700mA  | ON | -  | -  | -  |
| 6-52Vdc                                   | 39W   | 750mA  | ON | -  | -  | ON |
| 6-52Vdc                                   | 41.6W | 800mA  | ON | -  | ON | -  |
| 6-49Vdc                                   | 41.7W | 850mA  | ON | -  | ON | ON |
| 6-49Vdc                                   | 44.1W | 900mA  | ON | ON | -  | -  |
| 6-46Vdc                                   | 43.7W | 950mA  | ON | ON | -  | ON |
| 6-44Vdc                                   | 44W   | 1000mA | ON | ON | ON | -  |
| 6-42Vdc                                   | 44.1W | 1050mA | ON | ON | ON | ON |

"ON" Indicates that DIP switch is on, "-" Indicates that DIP switch is off

## DIMENSIONS



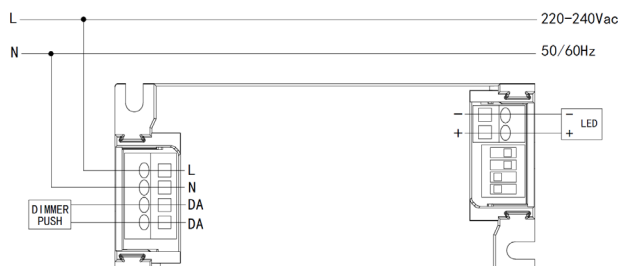
## OPTIONAL ACCESSORIES



| Dimensions(mm)                       | Length | Width | Height |
|--------------------------------------|--------|-------|--------|
| XZ-ID-A                              | 38     | 34    | 30     |
| XZ-ID-LOOP-A                         | 107    | 57    | 30     |
| Driver incl:2*XZ-ID-A                | 143    | 43    | 30     |
| Driver incl:1*XZ-ID-A,1*XZ-ID-LOOP-A | 212    | 57    | 30     |

## WIRING DIAGRAM

1. All connections must be as short as possible to ensure good EMI performance.
2. The lamp wire should keep a certain distance from the LED power supply and other wires (5-10 cm is preferred).
3. Incorrect wiring can damage LED.
4. The wire must be well protected against short circuit.



## TECHNICAL INFORMATION

